

TENNESSEE AIR POLLUTION CONTROL BOARD
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
NASHVILLE, TENNESSEE 37243-1531

KNOXVILLE

OCT 25 2007



OPERATING PERMIT Issued Pursuant to Tennessee Air Quality Act

Date Issued: OCT 15 2007

Permit Number:
061304P

Date Expires: January 1, 2017

Issued To:

BWXT Clinch River, LLC

Installation Address:

767 Boeing Road
Oak Ridge

Installation Description:

Boiler, 10.46 MMBtu/hr (non-NSPS)
Natural Gas-Fired with Propane Backup

Emission Source Reference No.

01-0236-01

The holder of this permit shall comply with the conditions contained in this permit as well as all applicable provisions of the Tennessee Air Pollution Control Regulations.

CONDITIONS:

1. The application that was utilized in the preparation of this permit is dated September 17, 2007, and is signed by Michael G. Knight, ES&H/PA Manager for the permitted facility. If this person terminates employment or is assigned different duties and is no longer the responsible person to represent and bind the facility in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification shall be in writing and submitted within thirty (30) days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the facility in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the facility until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

(conditions continued on next page)


TECHNICAL SECRETARY

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

NON-TRANSFERABLE

POST AT INSTALLATION ADDRESS

CN-0827 (Rev. 9-92)

RDA-1298

2. The total maximum heat input capacity for this fuel-burning source shall not exceed 10.463 million British Thermal Units per hour (MMBtu/hr), on a daily average basis.
3. Particulate matter (TSP) emitted from this source shall not exceed 0.014 pounds per million British Thermal Units (lb/MMBtu) of heat input (0.15 pounds per hour).

This emission limitation is established pursuant to Rule 1200-3-6-.01(7) of the Tennessee Air Pollution Control Regulations and the information contained in the agreement letter dated October 2, 2007, from the permittee.

4. Sulfur dioxide (SO₂) emitted from this source shall not exceed 0.51 lb/MMBtu heat input (5.3 pounds per hour).

This emission limitation is established pursuant to Rule 1200-3-14-.01(3) of the Tennessee Air Pollution Control Regulations and the information contained in the agreement letter dated October 2, 2007, from the permittee.

5. Nitrogen oxides (NO_x) emitted from this source shall not exceed 1.72 lb/hr.
6. Only natural gas or propane shall be used as fuels for this source.
7. Visible emissions from this source shall not exhibit greater than twenty percent (20%) opacity except for one six-minute period per one (1) hour or more than twenty four (24) minutes in any twenty four (24) hours. Visible emissions from this source shall be determined by EPA Method 9, as published in 40 CFR 60, Appendix A (six-minute average).
8. The permittee shall apply for renewal of this permit not less than sixty (60) days prior to the permit expiration date, pursuant to Division Rule 1200-3-9-.02(3).

(end of conditions)

CURRENT EMISSIONS REQUIREMENTS AND EMISSION SUMMARY

COMPANY NAME: BWXT Clinch River, LLC

1. EMISSION SOURCE REFERENCE NUMBER: 01-0236-01 NONATTAINMENT: X 2. LOG NUMBER: 61304

3A. PERMIT STATUS: NEW X RENEWAL RELOCATION 3B. PREVIOUS PERMIT NUMBER: CONSTRUCTION: OPERATING: _____

4. IDENTIFY IF ONLY A PART OF THE SOURCE IS SUBJECT TO THIS REQUIREMENT	5. POLLUTANT	6. APPLICABLE REQUIREMENT(S): TN AIR POLLUTION CONTROL REGULATIONS, 40 CFR, PERMIT RESTRICTIONS, AIR QUALITY BASED STANDARDS	7. LIMITATION	8. MAXIMUM ACTUAL EMISSIONS			9. MAXIMUM ALLOWABLE EMISSIONS	
				IN UNITS OF ITEM 7	POUNDS / HOUR	TONS / YEAR	POUNDS / HOUR	TONS / YEAR
01-0236-01	Particulate (TSP)	1200-3-6-.01(7)	0.014 lb/MMBtu		0.08	0.35	0.15	0.66
01-0236-01	NO _x	1200-3-6-.03(2)			1.72	7.53	1.72	7.53
01-0236-01	SO ₂	1200-3-14-.01(3)	0.51 lb/MMBtu		0.01	0.03	5.3	23.2
01-0236-01	VOC	1200-3-6-.03(2)			0.06	0.27	0.06	0.27
01-0236-01	CO	1200-3-6-.03(2)			0.88	3.85	0.88	3.85
01-0236-01	Opacity	1200-3-5-.01(1) 1200-3-5-.03(6)	20% Method 9					

SOURCE OF DATA FOR EMISSIONS IN ITEM 8: Data was taken from previous permit number 056875P of 01-0138-26.

IF THIS IS NOT A TITLE V SOURCE, IS THIS A DEFERRED SOURCE (SUBJECT TO NSPS OR NESHAPS) OR A SYNTHETIC MINOR SOURCE? No

IF THE ANSWER IS YES, EXPLAIN:

ENGINEERING SPECIALIST: DeWitt Logsdon

DATE: October 11, 2007

SUPERVISOR: TJB

DATE: 10/11/07

